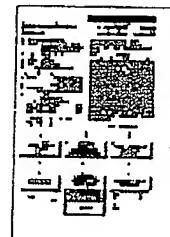


>Title:	JP04295072A2: EXTRUDED BUILDING MATERIAL MADE OF LIGHTWEIGHT CEMENT					
Derwent Title:	Lightweight cement prod. for house walls - comprising granular vermiculite powder contg. hydraulic binder and aggregate [Derwent Record]					
Country:	JP Japan					
Kind:	A (See also: JP03024236B2)					
Inventor:	KATAHIRA FUJIO; MIZUNO JUNICHI;					
Assignee:	SUMITOMO METAL IND LTD NICHIHA KK News, Profiles, Stocks and More about this company					
Published / Filed:	1992-10-20 / 1991-03-25					
Application Number:	JP1991000060483					
IPC Code:	C04B 38/08; E04F 13/14;					
Priority Number:	1991-03-25 JP1991000060483					
Abstract:	<p>PURPOSE: To obtain the extruded lightweight cement building material having excellent surface smoothness by incorporating a specific ratio of vermiculite adjusted to a specific grain size distribution as lightweight aggregate into this material.</p> <p>CONSTITUTION: The extruded building material made of the lightweight cement is obtd. by adding proper volume of water to a material, which is obtd. by compounding an admixture with ceramic powder consisting of a hydraulic binder and aggregate, then subjecting this mixture to kneading, extrusion molding and curing. The ceramic powder contg. 5 to 30% vermiculite adjusted to the grain size distribution of ≥ 20wt.% of $\leq 50\mu$ grain size and $\leq 10\%$ of $\geq 300\mu$ grain size is used at this time. The surface smoothness of the vermiculite to be used is insufficient in the case of $\geq 10\%$ of 300μ grain size. The effect of improving extrudability is low and the surface smoothness is not improved in the case of $< 20\%$ of $\leq 50\mu$ grain size. The effect of improving the smoothness is low if the vermiculite is ≤ 5 pts.wt. in 100 pts. total ceramic powder. The degradation in the strength arising from the decrease of the sp. gr. and the drastic degradation in freezing hazard resistance important as a building material are resulted if the content thereof exceeds 30 pts.</p>					
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	PDF	Patent	Pub.Date	Inventor	Assignee	Title
		US6572697	2003-06-03	Gleeson; James A.	James Hardie Research Pty Limited	Fiber cement building materials with low density additives



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